

LESSON 28 – APPLICATION EXERCISE 4**(Bring a 3.5" computer disk to class)**

In this computer exercise we will analyze several pulses to investigate and attempt to minimize the spectral broadening and maximize the line spacing that pulsing creates.

Reading:

Stimson Ch. 16-17

Problems/Questions:

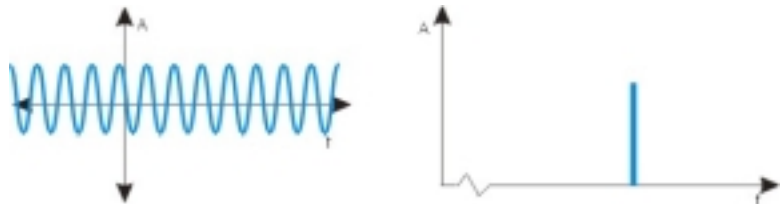
Work on Problem Set 4

Objectives:

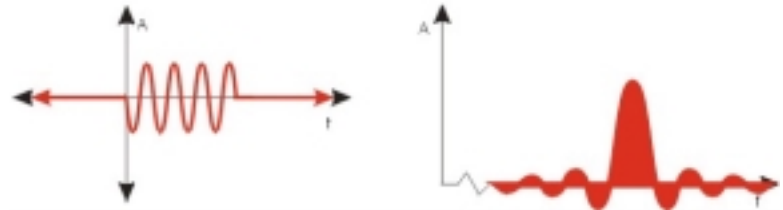
28-1 Understand the different ways a pulsed spectrum can be changed.

28-2 Understand how to minimize the line width and maximize the line spacing of a pulsed spectrum

Last Time: Fourier Analysis
Infinite wave \rightarrow finite
spectrum



Finite wave \rightarrow infinite
spectrum



Today: Application exercise

Understand how changing pulse width, carrier frequency, pulse repetition frequency, and number of pulses affects the shape of the spectrum.

